

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/013978 A1

(51) International Patent Classification⁷: A61K 31/4045, C07D 209/08, 409/12, 513/04, A61P 3/04

(74) Agent: DAVILA BAZ, A.; Clarke, Modet & Co., C/Goya, 11, E-28001 Madrid (ES).

(21) International Application Number: PCT/EP2004/008512

(22) International Filing Date: 29 July 2004 (29.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: P 200301807 30 July 2003 (30.07.2003) ES

(71) Applicant (for all designated States except US): LABORATORIOS DEL DR. ESTEVE S.A. [ES/ES]; Av. Mare de Déu de Montserrat, 221, E-08041 Barcelona (ES).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MERCE VIDAL, Ramon [ES/ES]; C/Casanova 264 4^o 1a, E-08021 Barcelona (ES). CODONY SOLER, Xavier [ES/ES]; C/Lepanto 71-77 2^o 1a, E-08301 Mataro (ES). DORDAL ZUERAS, Alberto [ES/ES]; C/Maladeta, 26 3^o 3a, E-08016 Barcelona (ES).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

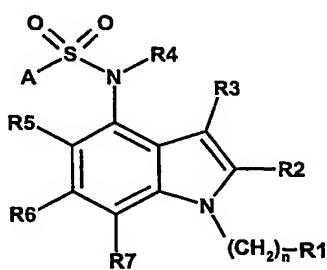
Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/013978 A1

(54) Title: INDOL-4 SULFONAMIDE DERIVATIVES, THEIR PREPARATION AND THEIR USE 5-HT-6 AS MODULATORS



(Ia, Ib, Ic)

(57) Abstract: The present invention refers to new sulfonamide derivatives, of general formula (Ia, Ib, 1c), optionally in form of one of their stereoisomers, preferably enantiomers or diastereomers, their racemate, or in form of a mixture of at least two of their stereoisomers, preferably enantiomers or diastereomers, in any mixing ratio, or their salt thereof s, preferably the corresponding, physiologically acceptable salt thereof, or corresponding solvate thereof; to the processes for their preparation, to their application as medicaments in human and/or veterinary therapeutics, and to the pharmaceutical compositions containing them.